

What is claimed is:

CLAIMS

- 1 1. A method comprising:
2 in response, at least in part, to receipt at a first node of a request issued from a
3 second node to change from one mode of operation to another mode of operation:
4 selecting an amplitude of a signal to be propagated between the first node
5 and the second node during the another mode of operation, the amplitude of the
6 signal being different from another amplitude of the signal during the one mode
7 of operation; and
8 selecting a frequency of a clock signal to be supplied in the first node
9 during the another mode of operation, the frequency being different from another
10 frequency of the clock signal during the one mode of operation.
- 1 2. The method of claim 1, wherein:
2 the selecting of the amplitude of the signal to be propagated between the first
3 node and second node during the another mode of operation and the selecting of the
4 frequency of the clock signal to be supplied during the another mode of operation are
5 carried out, at least in part, at the first node.
- 1 3. The method of claim 1, wherein:
2 the amplitude of the signal to be propagated between the first node and the second
3 node during the another mode of operation is less than the another amplitude;
4 the frequency of the clock signal to be supplied during the another mode of
5 operation is less than the another frequency of the clock signal during the one mode of
6 operation;
7 the first node comprises circuitry; and
8 the clock signal is supplied to the circuitry during the one mode of operation and
9 the another mode of operation.
- 1 4. The method of claim 1, wherein:

2 the first node comprises digital subscriber line (DSL) modem circuitry that is
3 capable of being coupled to the second node via a subscriber line; and
4 the signal that is to be propagated during the another mode of operation is to be
5 propagated via the subscriber line.

1 5. The method of claim 4, wherein:
2 a central office (CO) comprises the second node; and
3 customer premises equipment (CPE) comprises the modem circuitry.

1 6. The method of claim 4, wherein:
2 prior to the receipt of the request, the clock signal is supplied to the modem
3 circuitry; and
4 the method further comprises, after the receipt of the request, preventing the clock
5 signal from being supplied to the modem circuitry.

1 7. The method of claim 6, further comprising:
2 after the selecting of the frequency of the clock signal to be supplied during the
3 another mode of operation, permitting the clock signal to be supplied to the modem
4 circuitry.

1 8. An apparatus comprising:
2 circuitry that is capable of, in response, at least in part, to receipt at a first node of
3 a request issued from a second node to change from one mode of operation to another
4 mode of operation:
5 selecting an amplitude of a signal to be propagated between the first node
6 and the second node during the another mode of operation, the amplitude of the
7 signal being different from another amplitude of the signal during the one mode
8 of operation; and
9 selecting a frequency of a clock signal to be supplied in the first node
10 during the another mode of operation, the frequency being different from another
11 frequency of the clock signal during the one mode of operation.

- 1 9. The apparatus of claim 8, wherein:
2 the first node comprises, at least in part, the circuitry.
- 1 10. The apparatus of claim 8, wherein:
2 the amplitude of the signal to be propagated between the first node and the second
3 node during the another mode of operation is less than the another amplitude;
4 the frequency of the clock signal to be supplied during the another mode of
5 operation is less than the another frequency of the clock signal during the one mode of
6 operation;
7 the first node comprises the circuitry; and
8 the clock signal is supplied to the circuitry during the one mode of operation and
9 the another mode of operation.
- 1 11. The apparatus of claim 8, wherein:
2 the first node comprises a digital subscriber line (DSL) modem that is capable of
3 being coupled to the second node via a subscriber line, the subscriber line being to
4 propagate the signal that this to be propagated during the another mode of operation.
- 1 12. The apparatus of claim 11, wherein:
2 a central office (CO) comprises the second node; and
3 customer premises equipment (CPE) comprises the modem.
- 1 13. The apparatus of claim 11, wherein:
2 prior to the receipt of the request, the clock signal is supplied to the modem; and
3 the circuitry is also capable of, after the receipt of the request, preventing the
4 clock signal from being supplied to the modem.
- 1 14. The apparatus of claim 13, wherein:
2 the circuitry is also capable of, after selecting the frequency of the clock signal to
3 be supplied during the another mode of operation, permitting the clock signal to be
4 supplied to the modem circuitry.

1 15. An article comprising:
2 a storage medium having stored thereon instructions that when executed by a
3 machine result in the following:
4 in response, at least in part, to receipt at a first node of a request issued from a
5 second node to change from one mode of operation to another mode of operation:
6 selecting an amplitude of a signal to be propagated between the first node
7 and the second node during the another mode of operation, the amplitude of the
8 signal being different from another amplitude of the signal during the one mode
9 of operation; and
10 selecting a frequency of a clock signal to be supplied in the first node
11 during the another mode of operation, the frequency being different from another
12 frequency of the clock signal during the one mode of operation.

1 16. The article of claim 15, wherein:
2 the selecting of the amplitude of the signal to be propagated between the first
3 node and second node during the another mode of operation and the selecting of the
4 frequency of the clock signal to be supplied during the another mode of operation are
5 carried out, at least in part, at the first node.

1 17. The article of claim 15, wherein:
2 the amplitude of the signal to be propagated between the first node and the second
3 node during the another mode of operation is less than the another amplitude;
4 the frequency of the clock signal to be supplied during the another mode of
5 operation is less than the another frequency of the clock signal during the one mode of
6 operation;
7 the first node comprises circuitry; and
8 the clock signal is supplied to the circuitry during the one mode of operation and
9 the another mode of operation.

1 18. The article of claim 15, wherein:

2 the first node comprises digital subscriber line (DSL) modem circuitry that is
3 capable of being coupled to the second node via a subscriber line; and
4 the signal that is to be propagated during the another mode of operation is to be
5 propagated via the subscriber line.

1 19. The article of claim 18, wherein:
2 a central office (CO) comprises the second node; and
3 customer premises equipment (CPE) comprises the modem circuitry.

1 20. The article of claim 18, wherein:
2 prior to the receipt of the request, the clock signal is supplied to the modem
3 circuitry; and
4 the instructions when executed by the machine also result in, after the receipt of
5 the request, preventing the clock signal from being supplied to the modem circuitry.

1 21. The article of claim 20, wherein the instructions when executed by the machine
2 also result in:
3 after the selecting of the frequency of the clock signal to be supplied during the
4 another mode of operation, permitting the clock signal to be supplied to the modem
5 circuitry.

1 22. A system comprising:
2 a first node comprising circuitry that includes a circuit card and a circuit board,
3 the circuit board including a circuit card slot that is capable of coupling the circuit card to
4 the circuit board; and
5 a second node;
6 the circuitry being capable of, in response, at least in part, to receipt at the first
7 node of a request issued from a second node to change from one mode of operation to
8 another mode of operation:
9 selecting an amplitude of a signal to be propagated between the first node
10 and the second node during the another mode of operation, the amplitude of the

11 signal being different from another amplitude of the signal during the one mode
12 of operation; and
13 selecting a frequency of a clock signal to be supplied in the first node
14 during the another mode of operation, the frequency being different from another
15 frequency of the clock signal during the one mode of operation.

1 23. The system of claim 22, wherein:
2 the circuit board comprises a bus and a host processor coupled to the bus; and
3 the slot is also coupled to the bus.

1 24. The system of claim 23, wherein:
2 the circuit card comprises:
3 modem circuitry capable of being coupled to the second node via a
4 subscriber line; and
5 clock generator circuitry that is capable of generating the clock signal.

1 25. The system of claim 24, wherein:
2 the system further comprises memory to store one or more values indicative, at
3 least in part, of the frequency of the clock signal to be supplied during the another mode
4 of operation; and
5 the clock generator circuitry is capable of generating the clock signal based at
6 least in part upon the one or more values stored in the memory.

1 26. The system of claim 25, wherein:
2 the circuit card comprises the memory.

1 27. The system of claim 25, wherein:
2 the circuit card also comprises additional circuitry that is capable of preventing
3 the clock signal from being supplied to the modem circuitry.